Abstract of the Disclosure

Instrumenting a computer program to provide instrumented byte code includes examining the byte code, selecting portions of the byte code for instrumentation, and instrumenting the portions to provide instrumented byte code. Selecting the portions may include choosing portions of the byte code corresponding to method entry, method exit, a throw, a method call, or a new line number. Instrumenting a portion of the byte code corresponding to a method call may include instrumenting a local line number of source code corresponding to the byte code being instrumented. Instrumenting the portions may include adding calls to instrumentation runtime functions that pass parameters indicative of the portions being instrumented. At least one of the parameters that is passed may include a line number of the source code corresponding to the portion being instrumented or a thispointer for the method corresponding to the portion being instrumented. Data from instrumentation may be passed via a message stream that is viewed as the data is being generated and/or stored.

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